

FIG. 1

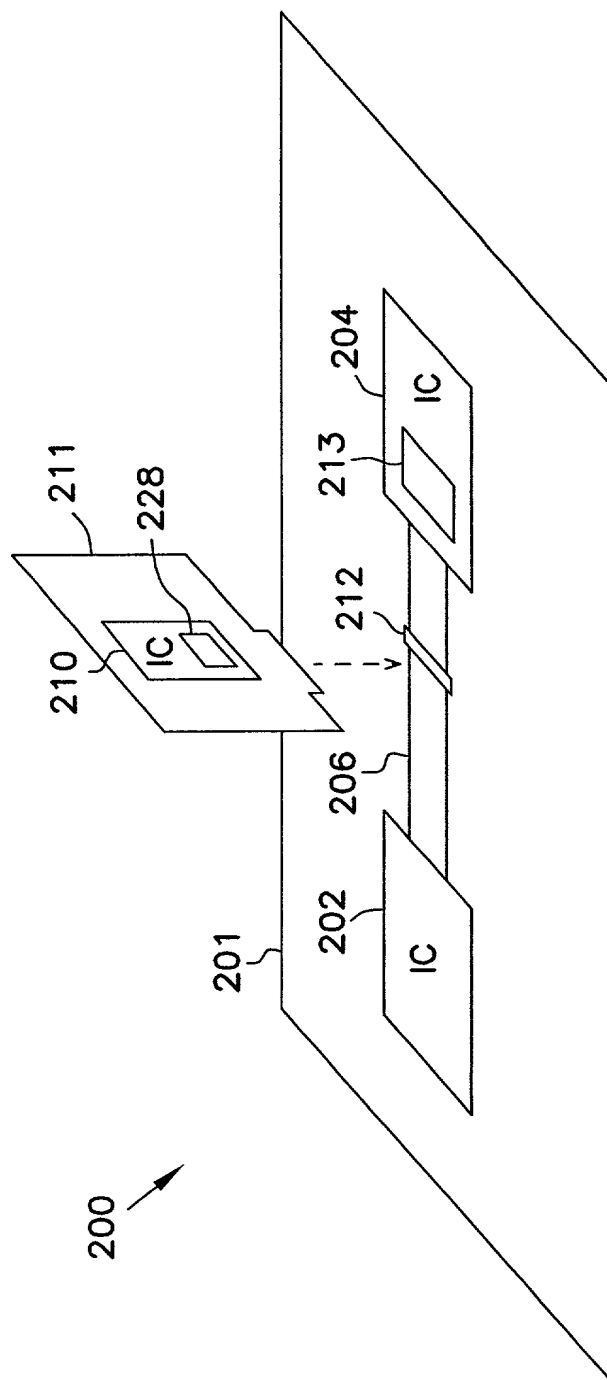


FIG. 2

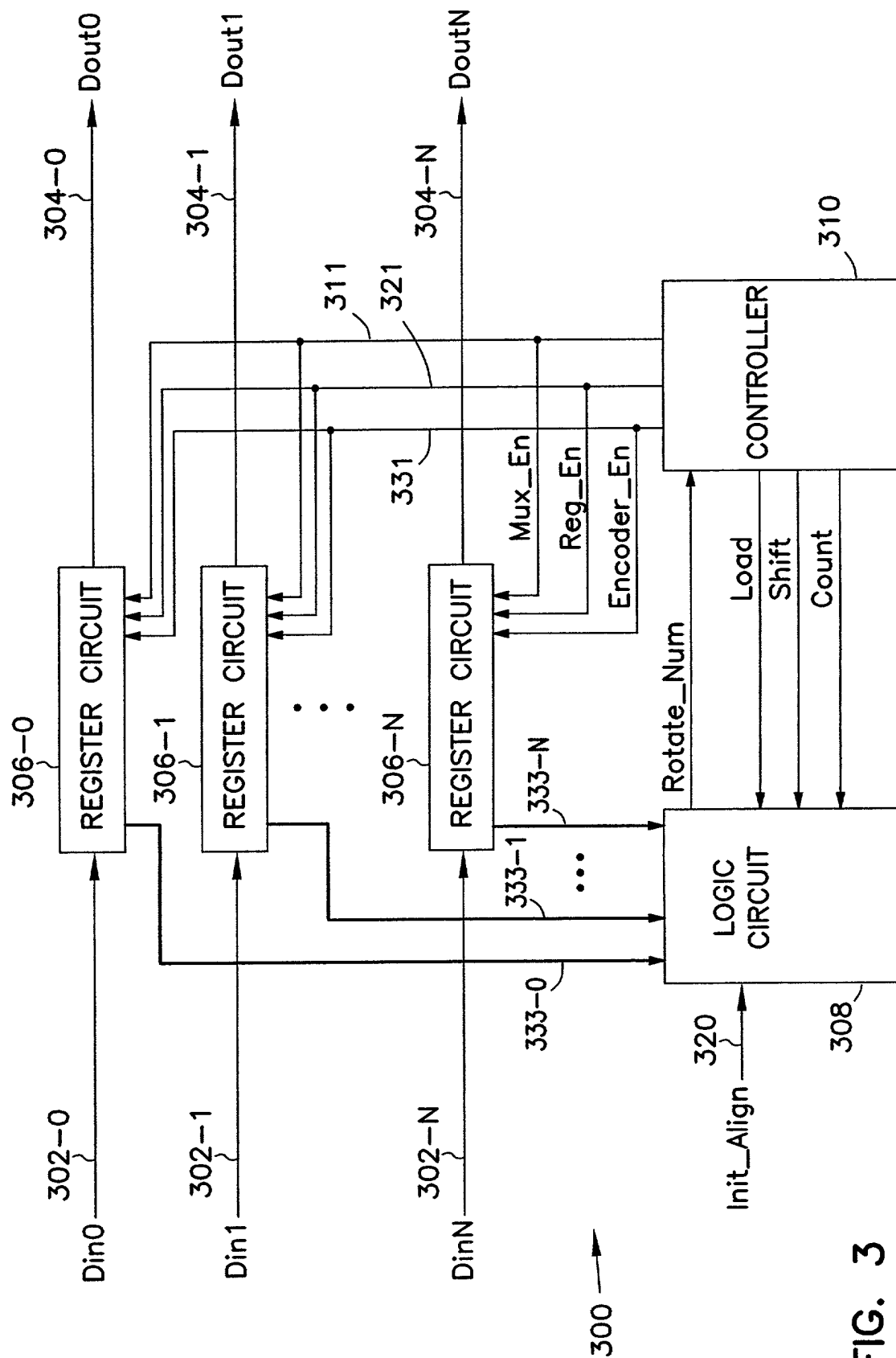


FIG. 3

| TRANSMITTED BITS: 1000010000 | | |
|------------------------------|---------------------|-------------------|
| DATA BIT # | RECEIVED AT 302 0-N | OUTPUT AT 304 0-N |
| 0 | 1000010000 | 1000010000 |
| 1 | 0100001000 | 1000010000 |
| ⋮ | ⋮ | ⋮ |
| N | 0010000100 | 1000010000 |

FIG. 4

FIG. 5

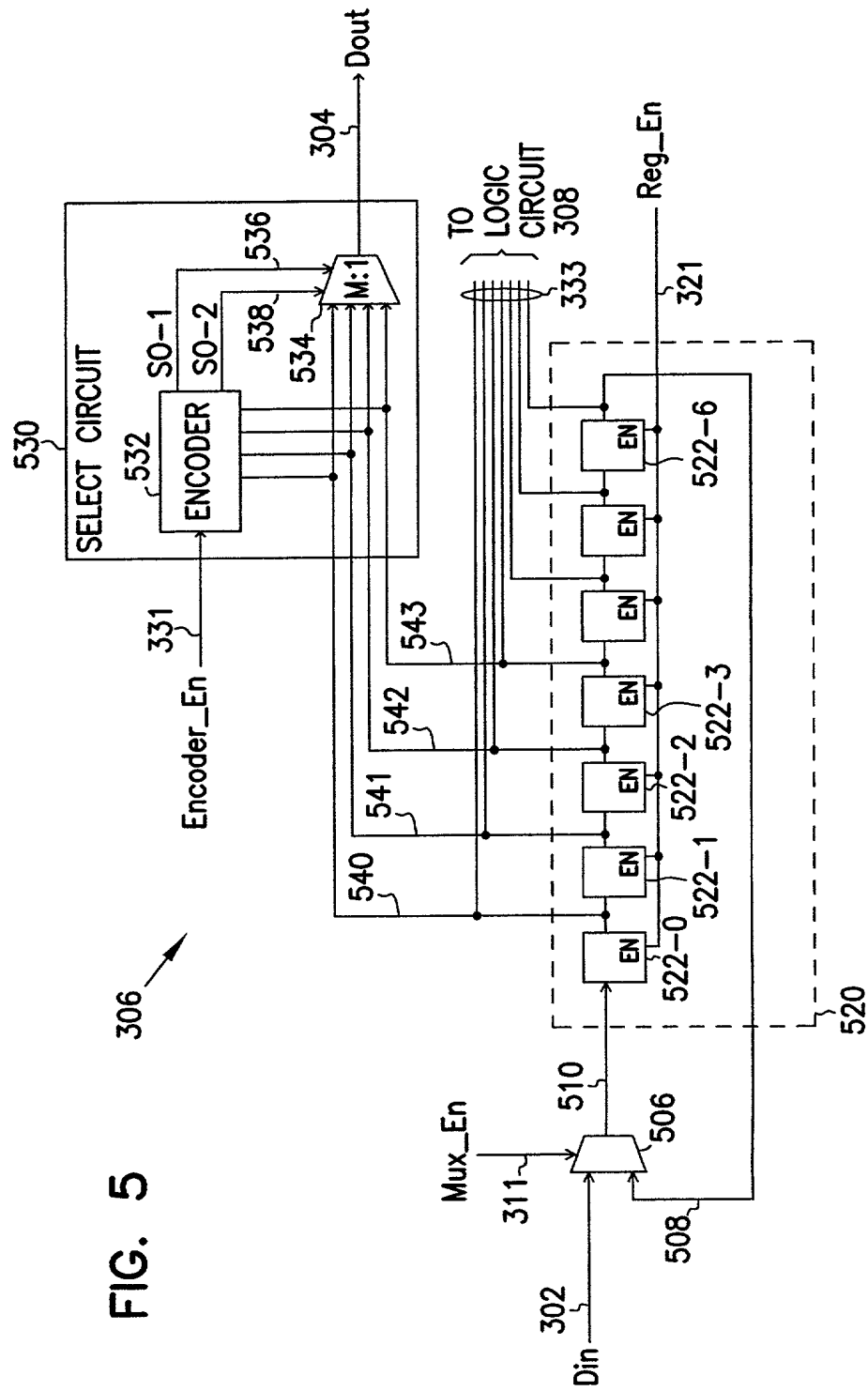


FIG. 6

| | |
|--|--------------------------------|
| TRAINING PATTERNS: 1000000100000010000000... | |
| RECEIVED PATTERNS: | |
| AT 1ST INPUT | 10000001000000010000000... |
| AT 2ND INPUT | 01000000100000001000000... |
| AT 3RD INPUT | 00100000010000000100000... |
| AT 4TH INPUT | 10000001000000010000000... |
| | 111213 |

FIG. 6

FIG. 7A

| CONTENTS OF: | |
|----------------------|---------|
| REGISTER 700 | 1000000 |
| REGISTER 701 | 0100000 |
| REGISTER 702 | 0000001 |
| REGISTER 703 | 1000000 |
| 7 BIT TIME INTERVALS | |

FIG. 7B

| CONTENTS OF: | |
|----------------------|---------|
| REGISTER 700 | 0100000 |
| REGISTER 701 | 0010000 |
| REGISTER 702 | 1000000 |
| REGISTER 703 | 0100000 |
| 3 BIT TIME INTERVALS | |

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FIG. 8A

| COLUMN 0 COLUMN 6 | |
|------------------------|--------------------------------------|
| CONTENTS OF: | ↓ ↓ ↓ ↓ ↓ ↓ |
| REGISTER 800 | 1000000 |
| REGISTER 801 | 0100000 |
| REGISTER 802 | 0000001 |
| REGISTER 803 | 1000000 |
| BIT-WISE OR | 1100001 (RESULTANT LOGIC VECTOR) |

FIG. 8B

| ARRAY | |
|-------|----------------------------------|
| ROW 0 | 1100001 (RESULTANT LOGIC VECTOR) |
| ROW 1 | 1110000 |
| ROW 2 | 0111000 |
| ROW 3 | 0011100 |
| ROW 4 | 0001110 |
| ROW 5 | 0000111 |
| ROW 6 | 1000011 |

FIG. 9A

| BEFORE ROTATION | |
|-----------------|---------|
| REGISTER 700 | 1000000 |
| REGISTER 701 | 0100000 |
| REGISTER 702 | 0000001 |
| REGISTER 703 | 1000000 |

FIG. 9A

| AFTER ONE ROTATION | |
|--------------------|---------|
| REGISTER 700 | 0100000 |
| REGISTER 701 | 0010000 |
| REGISTER 702 | 1000000 |
| REGISTER 703 | 0100000 |

FIG. 9B

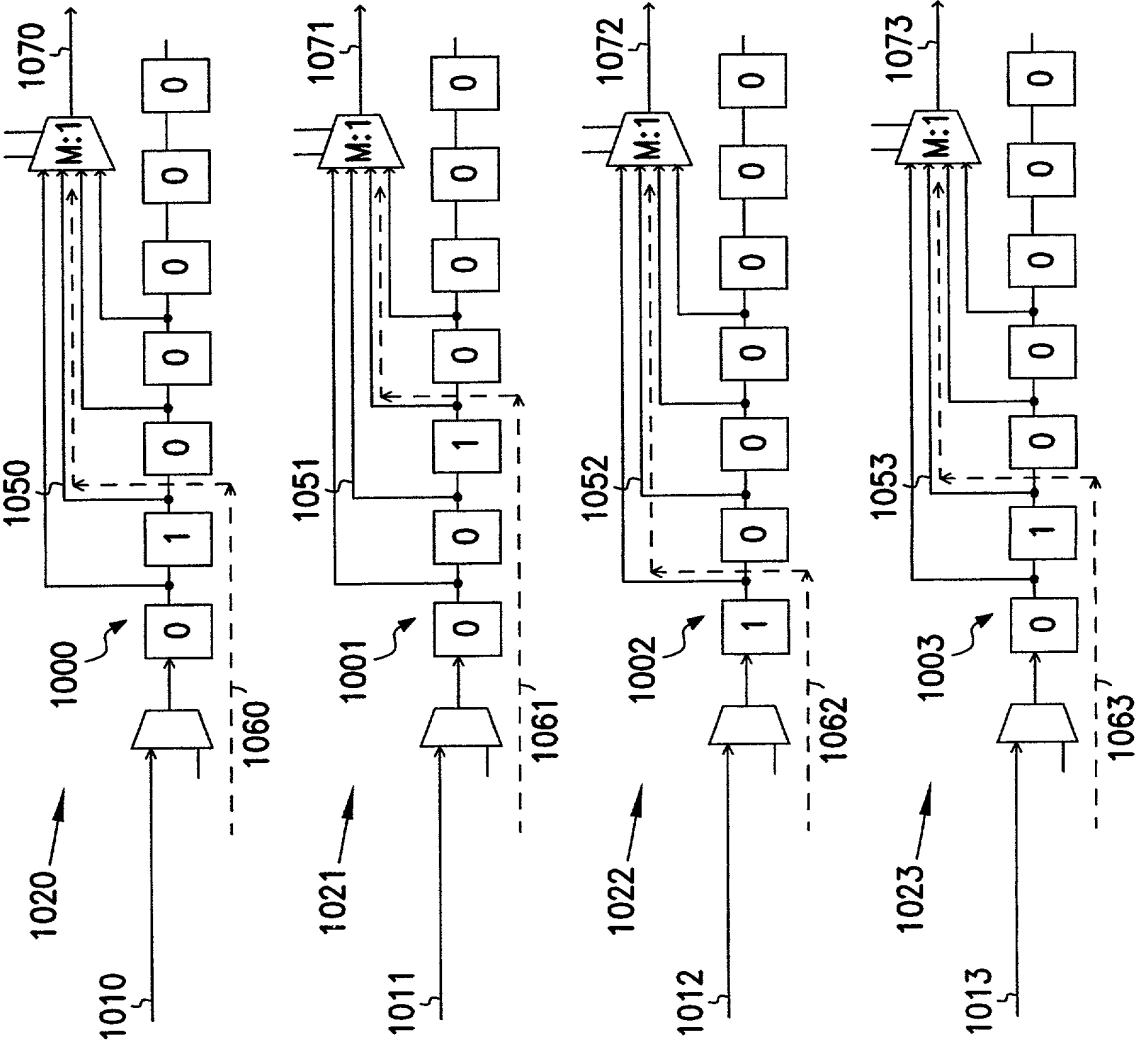
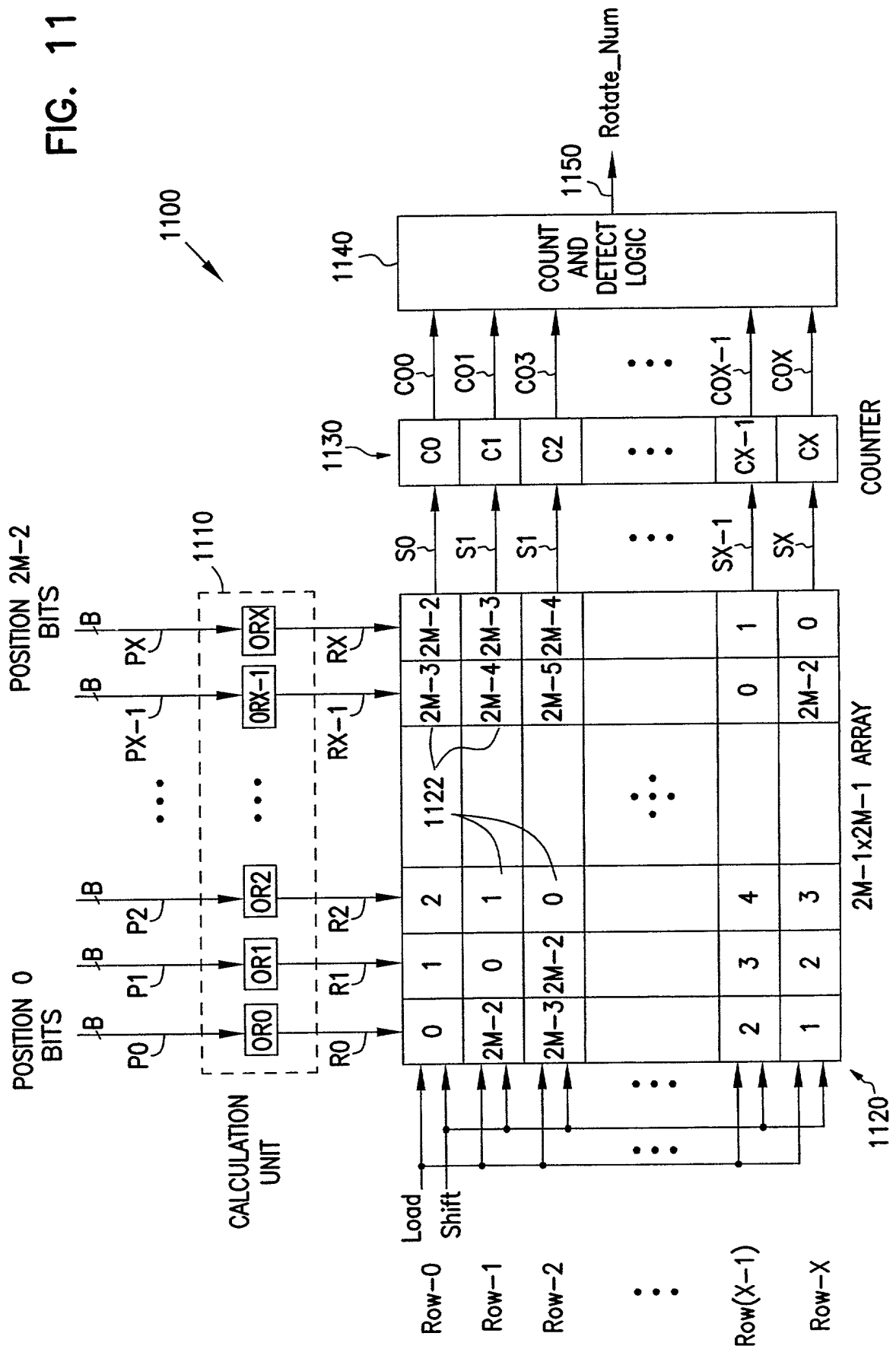


FIG. 10

1100



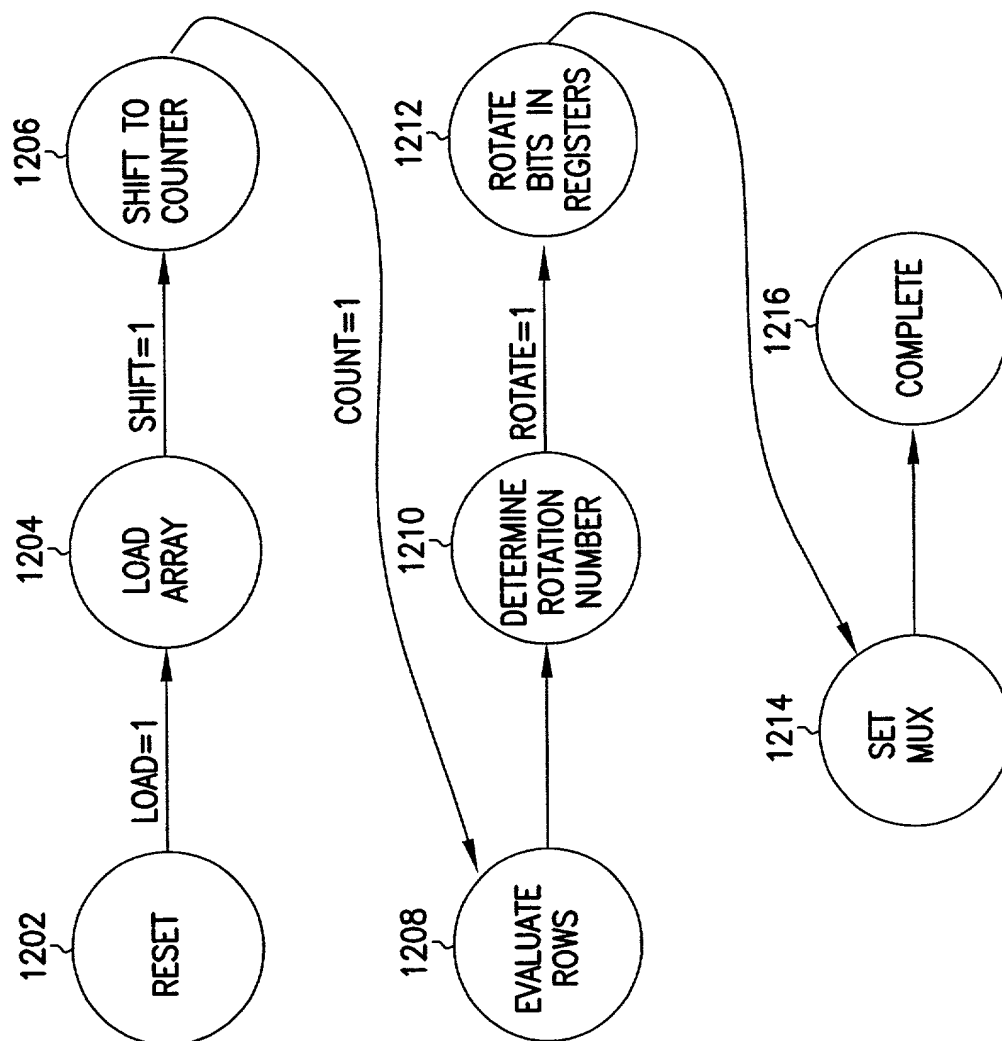


FIG. 12

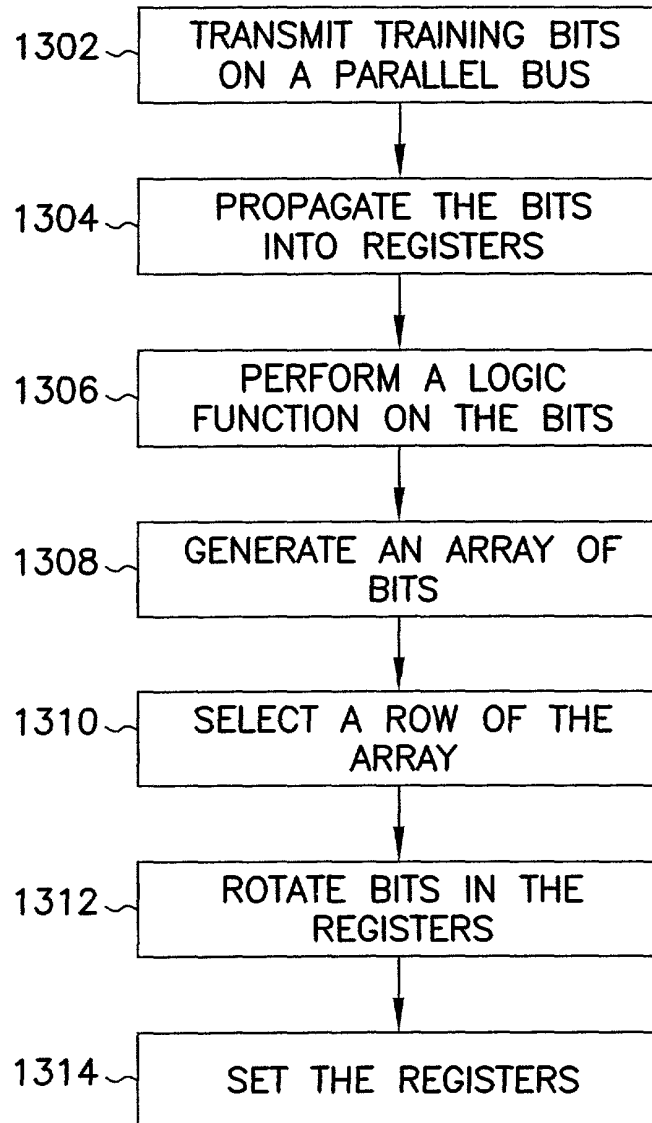


FIG. 13